

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains SC Colony at Kogilu and Agrahara in Ward No. 05 Jakkur Byatarayanapura Sub Division.

		Estimate Cost Rs.						1760000.00	
SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2015-16	cum							
	Desilting of Drains								
	Agrahara Right Side		1	120.00	0.45	0.25	13.50		
	Cross Road		1	25.00	0.45	0.25	2.81		
	Kogilu Colony Main Road		1x2	100.00	0.45	0.30	27.00		
							43.31	159.84	6923.00
	Basic Rate	148.00							
	Area Weightage @ 8%	11.84							
	Total	159.84							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2015-16	Cum							
	For Culverts		2	6.00	1.80	1.05	22.68		
							22.68	288.36	6540.00
	Basic Rate	267.00							
	Area Weightage @ 8%	21.36							
	Total	288.36							
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 with OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2015-16	Cum							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Agrahara Right Side		1	120.00	3.50	0.15	63.00		
	Cross Road		1	25.00	5.00	0.15	18.75		
	Kogilu Colony Main Road		1	100.00	4.50	0.15	67.50		
							149.25	5070.60	756787.00
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	5070.60							
5	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2015-16	cum							
	For Culverts		2X2	6.00	0.60	0.45	6.48		
							6.48	4135.32	26797.00
	Basic Rate	3829.00							
	Area Weightage @ 8%	306.32							
	Total	4135.32							
6	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2015-16	Sqm							
	For Culverts		2X2	6.00	0.50	0.45	5.40		
							5.40	4905.36	26489.00
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	4905.36							
7	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2015-16	Sqm							
	For Culverts		2	6.00	0.60		7.20		
	For Sides		2X2	6.00	0.23		5.52		
			2X2	1.65	0.23		1.52		
							14.24	270.00	3844.00
	Basic Rate	250.00							
	Area Weightage @ 8%	20.00							
	Total	270.00							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2/P No. 13/ Item No. 4.7/ PWD SR 2015-16	cum							
	For Culverts		2X2	6.00	0.50	0.10	1.20		
	Vent Bed		2	6.00	0.60	0.10	0.72		
							1.92	5491.80	10544.00
	Basic Rate	5085.00							
	Area Weightage @ 8%	406.80							
	Total	5491.80							
9	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2015-16	Sqm							
	For Culverts		2X2	6.00		0.50	12.00		
							12.00	99.36	1192.00
	Basic Rate	92.00							
	Area Weightage @ 8%	7.36							
	Total	99.36							
10	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1.4.6, No. KBS 4.1.4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16	Cum							
	For Culverts		2	6.00	1.65	0.23	4.55		
							4.55	6198.12	28226.00
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	6198.12							

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16	Qtl							
	0.50Ton/Cum		0.050	4.55			0.23	69805.80	15895.00
	Basic Rate	64635.00							
	Area Weightage @ 8%	5170.80							
	Total	69805.80							
12	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2015-16	Cum							
	Agrahara Right Side		1	120.00	3.50	0.10	42.00		
	Cross Road		1	25.00	5.00	0.10	12.50		
	Kogilu Colony Main Road		1	100.00	4.50	0.10	45.00		
							99.50	6332.04	630038.00
	Basic Rate	5863.00							
	Area Weightage @ 8%	469.04							
	Total	6332.04							
14	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2015-16	Sqm							
	Agrahara Right Side		1	120.00	3.50		420.00		
	Cross Road		1	25.00	5.00		125.00		
	Kogilu Colony Main Road		1	100.00	4.50		450.00		
							995.00	97.20	96714.00
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	97.20							
15	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							

Sl. No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			Qty. Vide Item No. 1				65.99		
1	Average Weight of Earth 1.28 Ton/Cum						65.99	62.20	4105.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading and unloading	62.20							
	Total	67.32							
							Grand Total		1614094.00
16	For 8% KRIDL Charges								129128.00
17	For 1% Third Party Inspection Charges								16141.00
18	Miscellaneous Charges	L/S							637
								Total	1760000.00

#NAME?

Certificate:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2015-16
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Assistant Engineer
Byatarayanapura Division
29/07/16

Executive Engineer
Byatarayanapura Division
29/07/16

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Administrative Approval

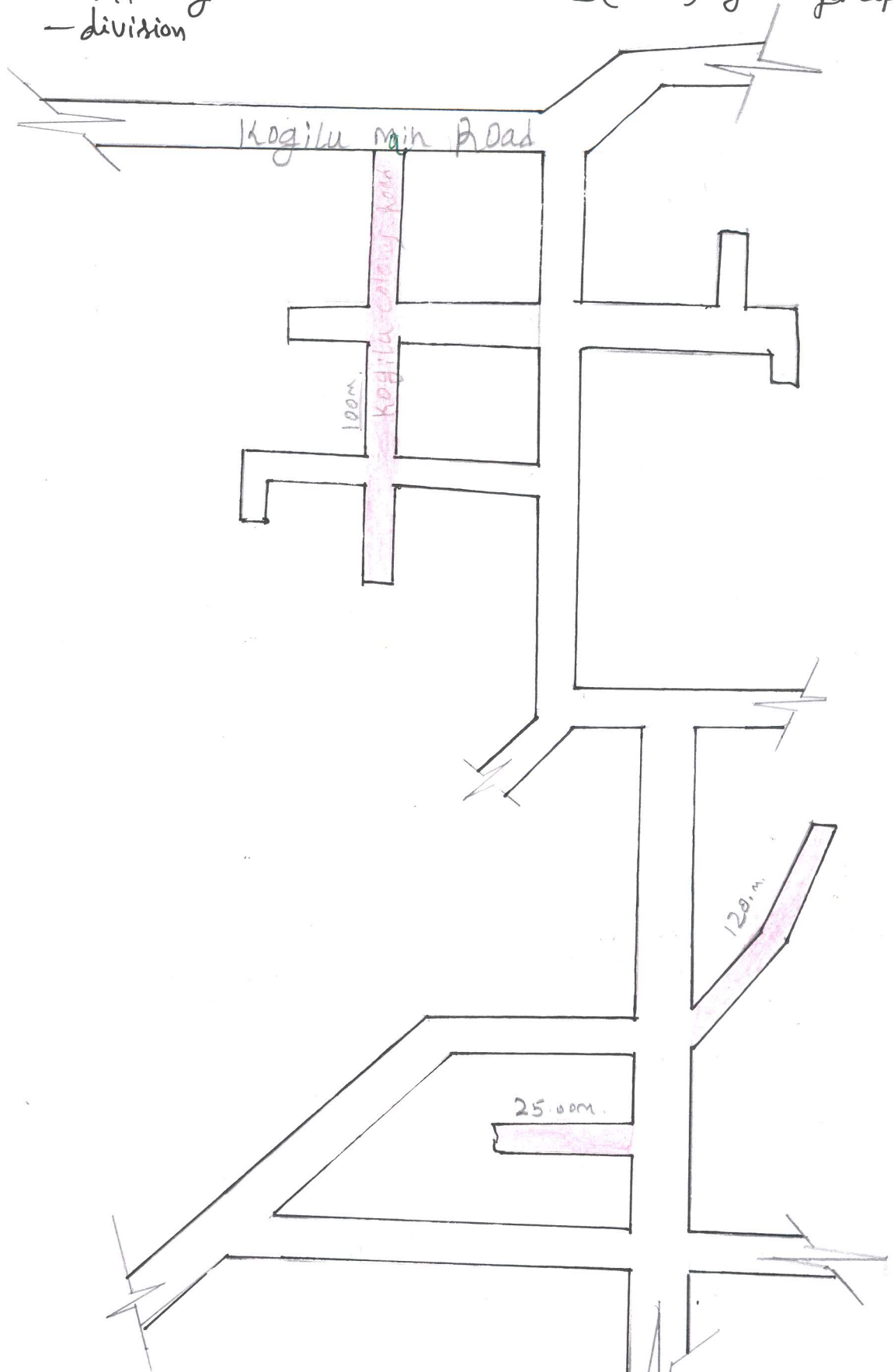
Accorded For 17.60 Lakh Rs.
Head of A/C P-1878
CER NO : 17.A Dt: 29.07.16

TA

CE (YNK)

TECHNICAL SANCTION	
Accorded For Rs.	<u>17.60 L</u>
Head of A/c	<u>P-1878</u>
Div. Ref. No.	<u>TS/EF/22/16-H</u>
Date	<u>29/07/16</u>
AE	<u>29/07</u>
EE(BTP)	<u>29/7</u>

re of work:- Imp to roads and drains S.C. colony at Kogilu
and Agrahara in Ward no: 5 (Jakkur) Byatarayanapura Sub
-division



Beamsu
Subordinate Engineer
B.B.M.C. Bangalore

M. K. M. S.
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.C. Bangalore